

VASILTYEV, F.I., KUSKOVA, N.K.: PAKHONOVA, E.J.

[Methods for the chemical analysis of ninerals] Metody khimicheskogo analiza mineral/nogo cyrlia. Moskva, Nedra, No.9. 1965. 66 p. (MIRA 18:7)

i. Madrow. Vacacymynyy nauchmowlas ' b vateltokiy institut mineraltoka syrtya.

S/115/63/000/003/005/010 E194/E455

AUTHORS:

Yefremova, R.I., Kuskova, N.V., Levina, L.N.,

Matizen, E.V.

TITLE:

Temperature measurements with copper-constantan

thermocouples

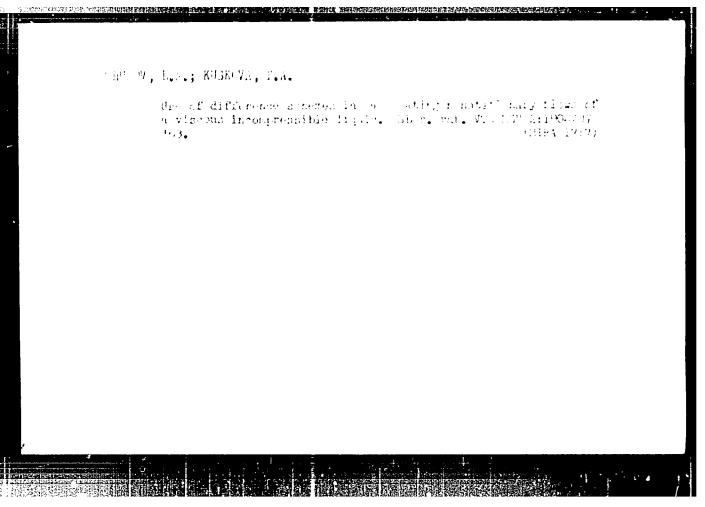
-PERIODICAL: Izmeritel'naya tekhnika, no.3, 1963, 25-28

Although they are less accurate than platinum resistance thermometers, copper-constantan thermocouples are often used in laboratories. A convenient standard calibration table for these thermocouples is not possible because the properties of constantan wire depend on both its origin and its diameter. Seven grades of constantan wire made into couples with copper gave at 100°C differences in thermal emf's of up to 300 to 400 µV, which is equivalent to about 10°. Several coils of constantan of various grades were selected and calibrated so that individual couples made up from these coils should not require calibration. thermocouples were calibrated at reference points of boiling oxygen, sublimation of CO2, melting of ice, and boiling of water, The boiling points of hydrogen and naphthalene and sulphur. Card 1/2

Temperature measurements ...

S/115/63/000/003/005/010 E194/E455

nitrogen were also used. Platinum resistance thermometers were used to check the reference points. Several copper-constantan thermocouples were made up from constantan from each of the various coils and from mean values of thermal emf's at the reference points tables were drawn up of thermal emf as a function of temperature at intervals of 100 µV and in the temperature range from -260 to -188°C at 5 and 10 µ V intervals. For many purposes this suffices as a calibration of the constantan. Errors in measuring the temperature with these thermocouples without further calibration are tabulated and the mean error between -250 and +400°C does not exceed 0.5% of the value of the temperature measured in °C. At low temperatures this error may be considerable. The properties of one batch of constantan varied considerably over its length. To measure with a better accuracy the couples must be calibrated individually; this is particularly important for temperatures below -180°C. The importance and origin of stray emf's is The influence of plastic tensile strain and twisting discussed. on the thermal emf's of couples is discussed; it is shown that annealing of the constantan wire by passage of current can have considerable influence on the thermal emf. There are 6 figures and Card 2/2 l table.



MUSKCVA, V. F.

"Characteristics of the Streptococci of the Oral Covity." Sub 18 Dec 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

RUSKOVA, V.P. Pathogonic properties of streptococci of the oral cavity. Stomatologia no.1:24-27 Ja-F '54. (MIRA 7:1) 1. Iz kafedry mikrobiologii (zaveduyushchiy - professor P.F. Belikov) Moskovskogo meditainskogo stomatologicheskogo instituta (direktor - dotsent G.M.Beletskiy). (Streptococcus) (Mouth-Bacteriology)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927910002-1"

KUSKOVA, V.F.

Investigating the most effective surgical scrub techniques used in dental polyclinics.1. Bacteriological evaluation of surgical scrub techniques used in polyclinics. Stomatologia no.5:35-37 S-0 155. (MIRA 9:2)

TO THE PERSON AND THE

1. Is kafedry mikrobiologii (sav. prof. P.F. Belikov) Moskovskogo
meditsinskogo stomatologicheskogo instituta (dir. dots. G.N. Beletskiy)
(ANTISEPSIS AND ASEPSIS
surg. scrub in dent.)
(DENTISTRY, OPERATIVE
surg. scrub in)

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KUSKCVA, V.F.

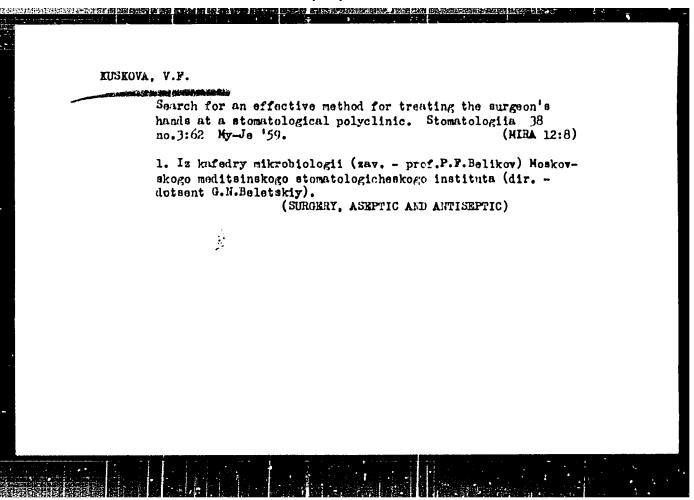
Role of the cerebral cortex in immunogenesis. Biul. eksp. biol. i med. 40 no.12:40-42 D '55 (MLRA 9:3)

1. Iz kafedry mikrobiologii (zav.-prof. P.F. Belikov) Moskovekogo meditsinakogo stomutologicheskogo instituta (dir.-dotsent G.N. Beletskiy)

(ARGLUTINATION, eff. of conditioned reflex reactions & sleep)

(RKFLAX, CONDITIONED, conditioned immun. reactions)

(SIEKEP, effects, on agglut. titer)
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KUSKOVA, V.F.; MOROZOVA, L.V.

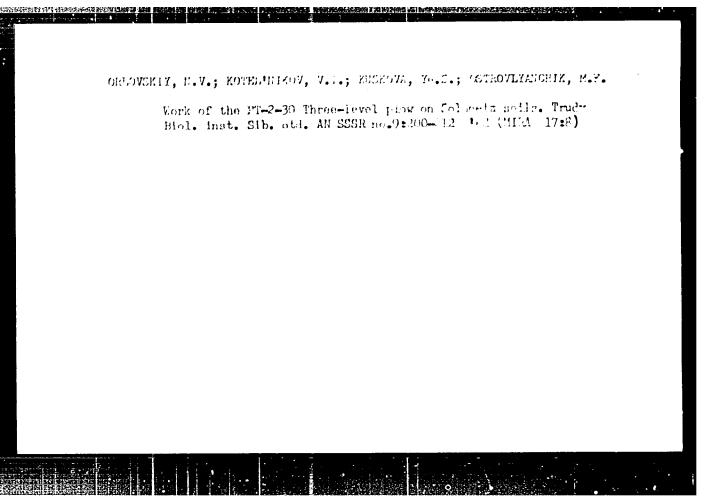
SPACED DESIRED TELEPHONE

Microbiological investigations following treatment of teeth with ultrasound. Stomatologia 40 no.1:27-29 Ja-F '61. (MIRA 14:5)

1. Iz kafedry mikrobiologii (zav. - prof. P.F.Belikov) i ortopedicheskoy stomatologii (zav. - prof. V.Yu.Kurlyandskiy) Moskavskogo meditsinskogo stomatologicheskogo instituta (dir. - dotsent G.N. Beletskiy).

(TEETH_MICROBIOLOGY)
(ULTRASONIC WAVES_PHYSIOLOGIQAL EFFECT)

WW/RM EWT(m)/EWP(1) L 08793-67 SOURCE CODE: UR/0191/66/000/009/0010/0011 ACC NR: AP6030843 (A, N)AUTHOR: Gel'fman, Ya. A.; Zemlyanskiy, N. N.; Lauris, I. V.; Syutkina, O. P.; Kuskova, V. P.; Panov, Ye. M. 49 ORG: none TITLE: Stabilization of polyvinylchloride by organotinoxanes SOURCE: Plasticheskiye massy, no. 9, 1966, 10-11 TOPIC TAGS: vinyl chloride, polymer, tin compound, organotin compound, organometallic compound, solid mechanical property, heat resistance ABSTRACT: The effect of organotinoxane-type additives [CH3COO(C4H9)2SnO, $\text{CH}_3\text{COO}[(\text{C}_4\text{H}_9)_2\text{SnO}]_4\text{OCCH}_3$, and $[\text{C}_{11}\text{H}_{23}\text{COO}(\text{C}_4\text{H}_9)_2\text{Sn}]_2\text{O}]$ on the thermal stability of polyvinylchloride was investigated. The aging characteristics of the stabilized PVC was tested according to GOST 10226-62 and the decomposition temperature was tested according to the GOST5960-51 standard. It was found that the PVC stabilized with organotinoxanes had a thermal stability comparable to that of PVC stabilized with conventional R2PbX2 stabilizers. It was also found that the organotinoxane stabilizer based on acetic acid was as effective as that based on lauric acid. Orig. art. has: tables. SUBM DATE: 00/ ORIG REF: 004/ OTH REF: 004 SUB CODE: 11/ 678.743.22:678.048.9 UDC: Card กตt

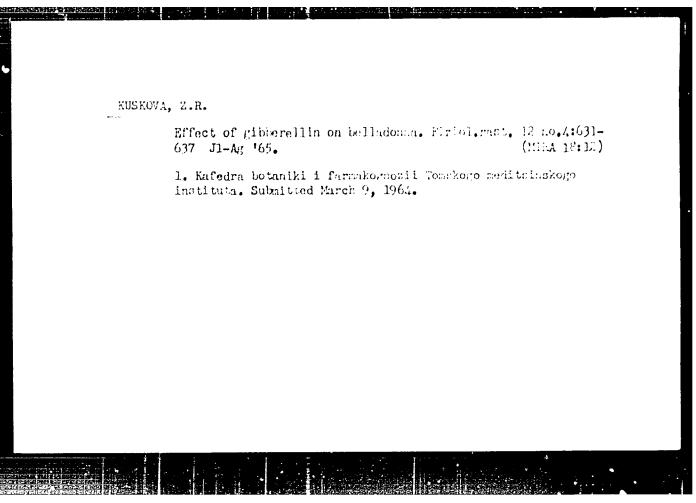


Effect of gibberellic acid on belladowns. Fixiol. rast. 10 no.6:716-719 N-D 63.

1. Tomsk Modical Institute.

Methodology for the quantitative determination of atropino in the leaves of belladonna and datura. Apt. delo 14 no.1:69
Ja-F '65. (MIRA 18:10)

1. Tomskiy meditsinskiy institut.



BEREZNEGOVSKAYA, L.N.; KUSKOVA, Z.R.

Amino acid and alkaloid dynamics in belladonna as affected by its development. Nauch. Jokl. vys. shkoly; biol. nauki no.2: 165-169 '65. (MIRA 18:5)

1. Rekomendovana kafedroy botaniki i farmakognozii Tonskogo meditsinskogo instituta.

RUSKCVSKIY, V.S.

Using the water balance of aprings in calculating the base flow of rivers of the Germyy Altai, Izv. Alt. etc. Geor. eb-va SSSR no.5:76-77 '65. (MIRA 18:12)

1. Sibirskiy nauchno-issledovatel'akiy institut energetiki.

· OF STANDARD BANKS AND STANDARD BANKS OF STANDARD STANDA

KUSKULA, Karel; MAYER, Vilem, inz.

Complexometric determination of aluminum in nonmetal materials. Hut listy 18 no.10:735 0 '63.

1. Vitkovicke zelezarny Klementa Gottwalda, n.p., Ostrava.

MUZ'MIH, Ye., starshiy dispetcher-tekhnolog; VASIL'YEV, Ye., brigadir gruzchikov; TIMOFEYEV, A., starshiy kranovshchik; KUSLAP, A., starshiy kranovshchik; KHVOSTOVA, D.M., red.; KIRSANOVA, B.A., tekhn.red.

[New equipment in the port of Riga]Bovaia tekhnika v Rishskom portu. Isd-vo VTsSPS Profisdat, 1958. 54 p. (MIRA 12:3) (Riga-Harbor) (Loading and unloading)

KUSLIK, M. I.

Syrap and the amputes. Khirurgila, Madava No. 11, Nov. 50. p. 20-3

1. Of Lemingrad Scientific-Research Institute of Prontheses, Lamingrad.

CLYL 20, 3, March 1951

Spine - Characteristics and Deformities

"Coolings and its surgical Cora, y."

Entropylia no. 6, 1952.

Monthly List of Russian Accessions, Dibrary of Compans, School 1822. Coolings.

- 1. KUSLIK, M. I., Frof.
- 2. LESR (600)
- 4. Knee Joint Surgery
- 7. A typical resections of the knee joint in gunshot wounds. Thirurgiia No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

KUSLIK, M. I.

Scanula

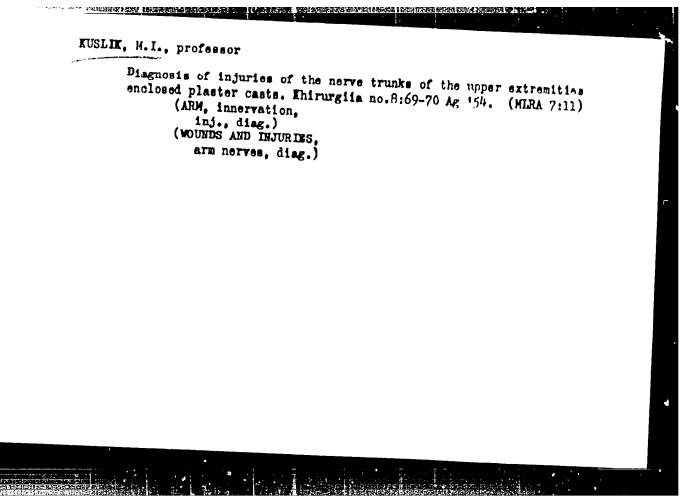
Outcoplastic fixation of the scapula in paralysis of its muscles, Vest. khir.,

72, No. 3, 1952.

KARPENKO, N.P.; KUSLIK, M.I., professor, zaveduyushchiy.

Knock knee (gemu walgum). Vest.khir. 73 no.5:12-17 S-0 '53. (MLRA 6:11)

1. Kafedra ortopedii i protezirovaniya Gosudarstvennogo ordena Lenina Leningradskogo instituta usovershenstvovaniya vrachey im. S.M.Kirova (for Kuslik).
2. Ortopedicheskoye otdeleniye TSentral'nogo gosudarstvennogo travmatologicheskogo instituta im. R.R.Vredena. (Leg--Abnormities and deformities)



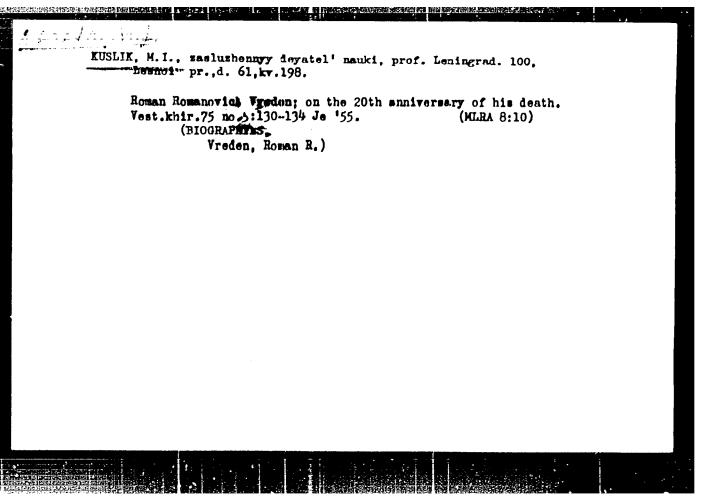
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Hypopoastic arthroses of the hip joint. Ortop.travm.protex...
Moskva no.1:7-11 Ja-F '55. (MLRA 8:10)

1. In Kafedry ortopedii i protezirovaniya Gosudarstvennogo instituta usovershenstvovaniya vrachey im. S.M. Kirova i Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(HIP, diseases.

(HIP, diseases, arthrosis deformans)



EUSLIE, M.I., professor, zaslushennyy deyatel' nauki (Leningrad, 100, Lesnoy pr., d. 61, kv. 198)

Surgery for complications of policomyelitis [with summary in English, p.158] Vest.khir. 77 no.9:3-19 S '56. (MLRA 9:11)

1. Is knfedry ortopedii i pro esirovaniya (sav. - prof. M.I.Kuslik)
Leningradskogo ordena Lenina natituta usovershenatvovaniya vrachey
in. S.M.Elrova i ortopeicheskogo otdeleniya (sav. prof. Ya.S.Tusevich)
Leningradskogo instituta trarmatologii i ortopedii.

(POLIOMIELITIS, compl.

surg. corrections)

KUSLIK, Mikhail Isaakovich, zasluzhennyy deyatel' nauki, prof.;
AHRAKOV, L.V., red.; EHARASH, G.A., tekhn.red.

[Orthopedic treatment of spastic paralysis] Ortopedicheskoe
lechenie spasticheskikh paralichei. [Leningrad] Gos.izd-vo med.
lit-ry, Leningr. otd-nie, 1957. 113 p. (MIRA 10:12)

(Faralysis, Spastic)

KUSLIK, M.I., zasluzhennyy deyatel' nauki, professor Determination of the extent of hip abduction for functional lengthening of the extremities in ankylouis and contracture of the hip joint. Ortop., travm. i protez. 18 no.1:57-58 Ja-F 157. (HIRA 10:6) 1. Iz kafedry ortopedii i protezirovaniya (zav. - prof. M.I.Kuslik) Gosudarstvennogo instituta usovershenstvovaniya vrachey im. S.M.Kirova (dir. - prof. N.I.Blinov) i ortopedicheskogo otdeleniya (zav. - prof. Ya.S.Yusevich) Leningradskogo nauchno-issledovatel skogo instituta travmatologii i ortopedii (dir. - prof. V.S.Balakina) (HIP, dis. ankylosis & contractures, determ. of angle for surg. correction) (CONTRACTURE hip, determ. of angle for surg. correction)

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WINETTUCTION in walking with orthomedic appearatus without a knee lock; therapeutic exercise and massage in postpoliogralitic paralysis". by M.A. Shenk. Reviewed by M.I. Kuslik. Ortop. travm. i protez. 19:no.3179 My-Je '58 (MIRA 1117) (ORTHOPEDIC APPARATUS) (PARALTS IS) (SHENK, N.A.)
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Closed injuries of the biceps brachii tendons and their treatment [with summary in English]. Enirurgiia 34 no.7:98-101 J1 '58 (MERA 11:9)

1. Is kafedry ortopedii i protezirovaniya Leningradskogo ordena Lenina instituta usovershenstvaniya vrachey imeni S.M. Kirova (dir. - prof. F.I. Blinov) i Leningradskogo instituta travmatologii i ortopedii (dir. - prof. V.S. Balakina).

(ARM, muscles and tendons biceps brachii inj., etiol. & ther. (Rus))

KUSLIK, M. I., (Prof.) -- Leningrad

"Surgical Treatment of Giant Cell Tumors (Osteobla-stoclastomas."

Report, submitted for the 27th Congress of Surgeons of the USSR, Moscow, 23-28 May 1760.

THE THREE DECEMBERS HE SERVICE IN THE SERVICE HE WAS A SERVICE OF THE SERVICE HE WAS A SERVICE OF THE SERVICE O

KUSLIK, M.I., zasluzhennyy deyatel nauki, prof.; TARUSHKIN, O.V., starshiy nauchnyy sotrudnik

Electrostimulation of the muscles in spastic paralysis. Ortrop. traym.1 protes. 21 no.4:34-37 Ap 160. (MIRA 13:9)

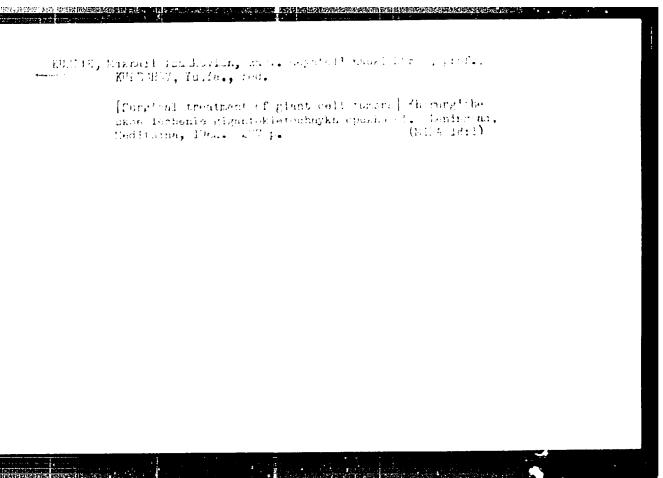
1. Iz ortopedicheskogo otdeleniya i fiziologicheskoy laboratorii Leningradskogo nauchno-issledovateliskogo instituta travmatologii i ortopedii (dir. - prof. V.S. Balakina) i kafedry ortopedii gosudarstvennogo instituta dlya usovershenstvovaniya vrachey (dir. - dotsent A.Ye. Kiselev).

(PARALYSIS, SPASTIC) (ELECTROTHERAPY)

ARENDT, A.A., prof.; ARKHANGEL'SKIY, V.V., kand. med. nauk; BCGDANCV, F.R., prof.; BONDARCHUK, A.V., prof.; KOPYLOV, M.B., prof.; KORNEV, P.G., zasl. deyatel' nauki RSFSR, prof.; KUSLIK.M.I., prof.; LEYEZON, N.D., doktor med. nauk; MAKAROV, M.I., med. nauk; NIKOL'SKIY, V.A., prof.; PODGORNAYA, A.Ya., doktor med.nauk; RAZDOL'SKIY, I.Ya., prof.[deceased]; ROSTCTSKAYA, V.I., kand. med.nauk; TUMSKOY, V.A., kand. med.nauk; UGRYUMN, V.M., prof.; FISHKIN, V.I., kand. med. nauk; KHRAPOV, V.S., kand. med. nauk; CHIKOVANI, K.P., prof. [deceased]; SHLYKOV, A.A., prof.; PETROVSKIY, B.V., prof. zasl. deyatel' nauki RSFSR, otv. red.; YEGOROV, B.G., zasl. deyatel' nauki RSFSR prof., red. toma; MIRONOVICH, N.I., doktor med. nauk, zam. red.; PARAKHINA, N.L., tekhn. red.

[Manual on surgery] Mnogotomnoe rukovodstvo po khirurgii.
Moskva, Medgiz. Vol.4. [Neurosurgery; the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Neirokhirurgiia; posledstviia povrezhdenii tsentral'noi nervnoi sistemy. Zabolevaniia pozvonochnika, spinnogo mozga i ego obolochek. Zabolevaniia vegetativnoi nervnoi sistemy. 1963. 667 p. (MIRA 16:10)

 Deystvitel'nyy chien AMN SSSR (for Petrovskiy, Yegorov, Kornev).
 Chlen-korrespondent AMN SSSR (for Bogdanov). (NERVOUS SYSTEM—SURGERY) (SPINE—SURGERY)



PARTY CONTROL OF THE PROPERTY OF THE PARTY O

KUSLIK, M.I., prof., zasluzhennyy deyatel' nauki RSFSR

Experience in conservative surgical treatment of giant cell tumors. Khirugiia 40 no.5:107-114 My '64. (MIRA 18:2)

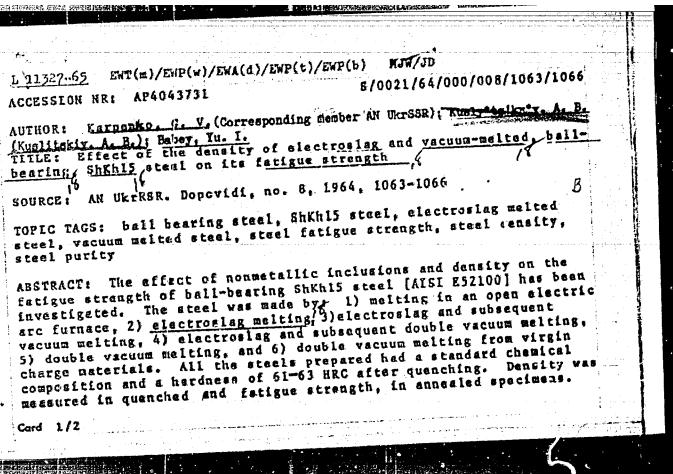
1. Kafedra ortopedii i protezirovaniya Instituta ordena Lenina usovershenstvovani a vrachey imeni Kirova (dir.- dotsent S.N. Polikarpov) i Leningradskogo instituta travmatologii i ortopedii (dir.- prof. V.S. Balakina).

A THE COMPLETE CONTROL OF THE PROPERTY OF THE

KARPENKO, G.V. [Karpenko, H.V.]; KUSLITSKIY, A.B. [Kuslyts'kyi, A.B.]; BABEY, Yu.I. [Babei, IU.I.]

Effect of the density of ShKhl5 steel made with electric slag and vacuum refining on its cyclic strength. Dop. AN URSR no.8:1063-1066 '64. (MIRA 17:8)

- 1. Institut mashinovedeniya i avtomatiki AN UkrSSR.
- 2. Chlen-korrespondent AN UkrSSR (for Karpenko).



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ACCESSION NR: AP4043731

ratigue tests revealed no definite relationship between the presence of individual nonmetallic inclusions in Shkhis steel and its fatigue strength. Ine density-latigue strength test fate whow that fatigue strength increases as the steel density inclusions, and that the instance of the density is sore pronounced in whele with fewer nonmetallic inclusions. In steels with practically identical amounts of nonmetallic inclusions, fatigue strength increased 23% with an increase in density from 7.7990 to 7.8116 g/cm, or ~0.15%. Hence, for a more complete evaluation of the servicesbility of ball-bearing steel, both the content of nonmetallic inclusions and the steel density should be taken into account. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Insty"tut mashy noznavstva ta avtomaty ky AN URSR (Institute of Machine Science and Automation, AN URSR)

SUBHITTED: 16Dec63

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ENGL: 00

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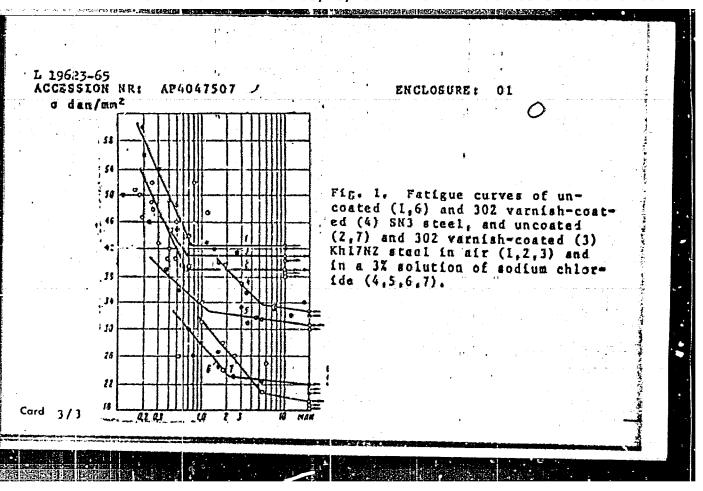
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OTHER: 003

Card 2/2

EPA(s)-2/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EPA(bb)-2/ 1 19623-65 ASD(f)-2/AFHDC/ASD(m)-3 HJW/JD/WB/EM EWP(b) Pf-4/Pt-10 \$/0129/64/000/010/0028/0031 42 ACCESSION HR: AP4047507 AUTHOR: Karpenko, G. V.; Meyerson, I. L.; Babey, Yu. I.; Tabinekiy. K. P.; Kuslitskiy, A. B. resistance of Kh17N2 TITLE: Correcton and correcton fatigue SN3 pteels SOURCE: Hetallovedeniye i termicheskaya obrabotka metallov, no. 10, 1964, 28-31, and bottom half of insert facing p. 40 TOPIC TAGS: stainless steel, steel corrosion, steel corrosion fatique, precipitation hardenable steel, Khi7N2 steel, SN2 steel, steel corrosion resistance, steel corrosion fatigue resistance, anticorrosion coating, 30% varnish ABSTRACT: The corresion and corresion fatigue of Khi7N2 (0.12XC, 17.23X } Cr. 1.84% Nf) and SN3(0.09%C, 16.93% Cr. 4.71% Nf. 3.31% No) stainless steel have been investigated. Steels were heat-treated to a hardness of 38--40 and 40--42 HRG, respectively. The test results showed that the SH3 steel has a higher corrosion resistance than the Kh17112 steel, e.g., by 2.5 times in 53% sulfuric scid. The SN3 fatigue strength in sir Card

L 19623-65 ACCESSION NR: AP4047507 is 10% higher than that of the Khi?N2 steel. In a 3% sodium-chlorida solution, the fatigue strength of both steels decreases by about the same factor, compared with that in air (see Fig. 1 of the Enclosure) and at N = 2 . 10 cycles, is about 2 times lover than that in air. This confirms the absence of a direct relation between the corrosion resistance and the corrosion fatigue resistance of the metal. 4 The SN3 steel is preferable to Kh17N2 steel for compressor blades working in aggressive media. Coating with 302 varnish (composition punidentified) increases by L.S times the corrosion fatigue strength of Khi7N2 and SN3 steels. Orig. art. has: 2 figures. Finiko-mokhanicheskiy institut AH UkrssR(Physiomechanical ASSOCIATION Institute AN Ukresk) SUB CODE 1 01 ENCLI SUBHITTED: 00 OTHERE 000 009 HO REF SOVE Card 2/3



L 21446-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(b) MJW/JD

ACCESSION NR: AT4049945

8/2723/64/000/003/0107/0118

AUMIOR: Kuslitskiy, A.B.; Babey, Yu. I.; Serebriyskiy, E.I.; Mizetskiy, V.L.; Borisov, A. Ya.; Kirpenko, G.V. (Corresponding member AN UkrSSR)

TITLE: Effect of the hardening temperature on the fatique strength of Shkh15 steel from electrosing and vacuum refining

SOURCE: AN UkrSSR. Fiziko-mekhanichuskiy institut. Viiyaniye rabochikh sred na svoysta materialov, no. 3, 1964, 107-118

TOFIC TAGS: steel fatigue strength, hardening temperature, electrosiag steel, vacuum smelted steel, steel purity/ Shkh 15 steel

ABSTRACT: This study was prompted by the lack of data concerning the physical and mechanical properties of electrosiag steel (see, e.g., B. Ye. Paton, B.I. Medovar, Yu. V. Latash, Stal', no. 11, 1962) and by the inconclusive results concerning such properties of vacuum smelted steels (see, e.g., H.B. Nudelman, J. Sheehan, A study of the effect of melting practice on the fatigue behavior of high-atrength steel. Armour Res. Foundat., Chicago, 1951). The maximum cyclic hardness of ShKh15 steel was tested after a. electrosiag smelting followed by vacuum smelting (very pure ShKh15 -

Cord 1/2

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ACCESSION NR: AT4049945

free from nonmetallic admixtures); b. the same as (a) but less pure (ShKh158); c. electroslag smelting only (ShKh158h); d. ordinary smelting in an open electric oven (ShKh15); e. double vacuum arc smelting of pure steel (ShKh15Ch); and f. the same as (e) with an ordinary smelt (ShKh15D). The optimum hardening temperature for the ShKh15S and ShKh15D steel was 850C while all the other steels showed maximum cyclic hardness after hardening at 840C (all samples were annealed at 150C during a 2-hour period). The cyclic hardness of the air-hardened ShKh15 steel from different types of smelts depended on the presence of nonmetallic admixtures as well us on its density. An increase in purity and in density led to a 25-30% increase in fatigue strength. "The degree of contamination of the steel with non-metallic impurities was evaluated by Engineer N.I. Zakhodskaya; Engineer B.F. Ryabov took part in developing and setting up the system of automatic furnace temperature control." Orig. art. has: 3 figures and 5 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODIS: MM

NO REF SOV: 020

OTHER: 004

Cord 2/2

L 23066-65 EMT(m)/EMA(d)/EMP(t)/EMP(b) MJW/JD

ACCESSION NR: AT4049946

5/2723/64/000/003/0119/0123×4

AUTHOR: Kuslitskiy, A.B.; Mindyuk, A.K.

TITLE: Corrosion, stability of ShKh15 steel from electrosiag and vacuum smelts

SOURCE: AN UkrSSR. Fiziko-mekhanichestiy institut. Vilyaniye, abechikh sred na svoyiitva materialov, no. 3, 1964, 119-123

TOPIC TAGS: steel corrosion, electrosing inelling, vacuum melting, bal; bearing steel, steel impurity/steel ShKh15

ABSTRACT: Ball bearing steel Shkhis from different types of smelts was investigated for corrosion registance. The samples were Shkhis steel smelted in the ordinary way, steel smelted by electrosiag molting with subsequent vacuum smelting and containing some nonmetallic admixtures (Shkhiss); the same steel as Shkhiss except with a lower content of nonmetallic impurities (Shkhiss); and steel smelted once by electroscorification (Shkhissh). The results (see Fig. 1 of the Enclosure) show that the corrosion stability of hardened steel Shkhis prepared by the ordinary, electrosiag or vacuum smelting exhibits a 20-30% larger corrosion stability than steel annealed over the same period of time (3 hours). Contamination by nonmetallic admixtures affects the corrosion stability significantly: The corrosion stability of closure ShkhisSh and ShkhisP steels exceeds

L 23066-65

ACCESSION NR: AT4.049946

the corroation stability of less pure ShKh15 and ShKh158 smelts by 25-30%. Among various nonmetalife components left after the above-mentioned types of smelting, oxides and silicates reduced the corrosion stability of the ball bearing steel more oxides and silicates reduced the corrosion stability of the ball bearing steel more oxides and significantly. Globular and spot impurities and sulfides caused less marker, ill-effects. Orig. art. has: 1 figure and 4 tables.

ASSCICIATION: none

SURMAITTED: 20June3 ENCL: 01 SUB CODE: MM

NO FIEF SOV: 002 OTHER: 000

L 23067-65 EWT(m)/WP(w)/EWA(d)/T/EWP(t)/EWP(b) HJW/JD/WE

ACCESSION NR: AT4049048

8/2723/64/000/003/0130/0134

AUTHOR: Kuslitskiy, A.B.; Babey, Yu. I.; Serebriyskiy, E.I.; Mizetskiy, V.L.; Borisov, A. Ya.

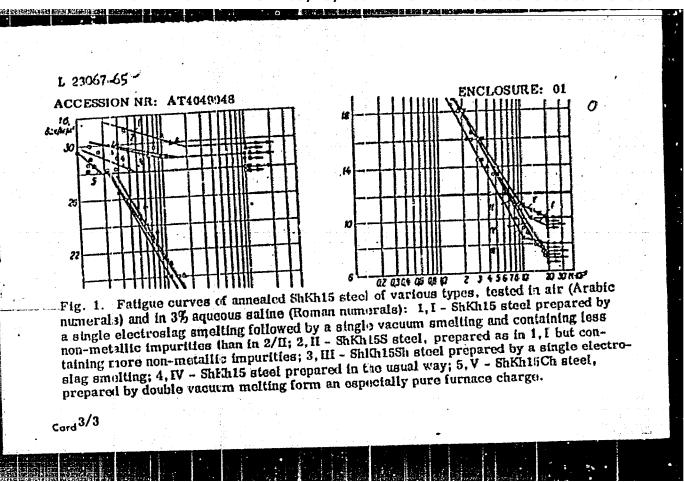
TITLE: Corrosion resistance and fatigue strength of annealed ShKh15 steel from electrosisg and vacuum sinelts

SOURCE: AN UKrSSR. Fiziko-mekhanicheskiy irstitut. Vliyaniye rabochikli sred na svoystva materialov, no. 3, 1964, 130-134

TOPIC TAGS: steel corrosion, steel fatigue strength, steel annealing, saline corrosion, electrosiag melting, vacuum melting, steel impurity/steel ShKh15

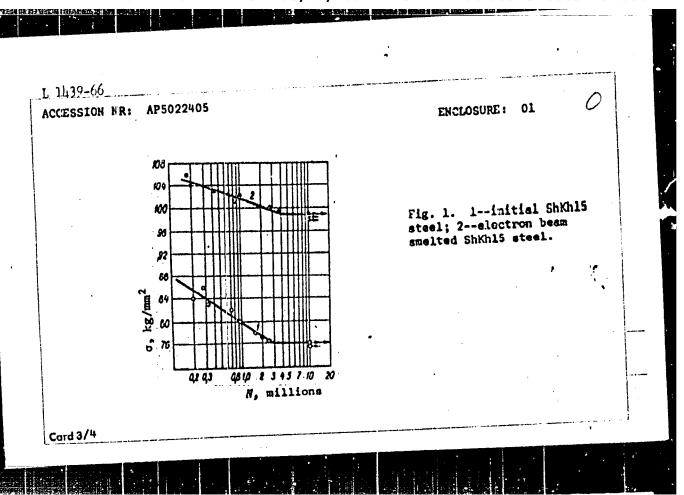
ABSTITACT: While the physical and mechanical properties of annealed ShKh15 steel are known to a considerable extent, the resistance to fatigue had not yet been sufficiently investigated. Since the work described earlier by the same authors (AN UkrSSR. Fiziko-mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut. Vilyaniye rabochikh sred na svoystva materialov. No. 3, 1964, mekhanicheskiy institut.

L 23067-65 ACCESSION NR:	AT4049948					0
ordinary, electr static hardness smelted steel ar vacuum smeltin	oslag and vacu	um smelts in ength in air; 2 es from singlo t falleug prope	the snnealed in a corre electrosing rties (see F	state have a prive medium smelts with a smelts with a	pproximately of double vacuum to double	im- ig.
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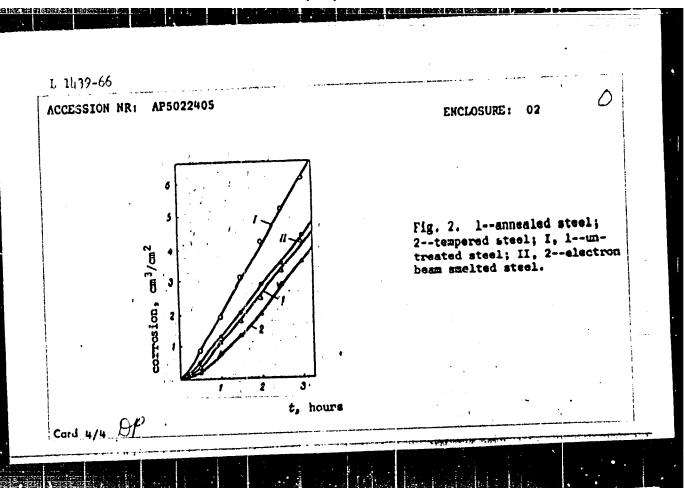


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<u>I</u>	. 1439-66 EWT(m)/EPF(c)/EWP(w)/EMA(d)/T/EMP(t)/EWP(z)/EMP(b)/ETC(m) MJW/JD/WW/WB CCESSION NR: AP5022405 UR/0369/65/000/004/0477/0480	
٨	CCESSION NR: AP5022405	
A	UTHOR: Yefimenko, Yu. M.; Kuslitskiy, A. B.; Chaban, D. V.; Karpenko, G. V.; cvchan, B. A. 44,55	
M	ovchan, H. A. 44,55	
7	ITLE: Effect of the electron beam smelting on properties	
	(ear. 118 8 100 - 4 14))	
9	GOURCE: Fiziko-khimicheskaya mekhanika materialov, no. 4, 1965, 477-480	
	TOPIC TAGS: electron beam, ball bearing amelting furnace	
i	OPIC INGS; Glaction bound and an exchanged properties of the	
i	ABSTRACT: The effect of electron beam smelting on mechanical properties of the ShKhl5 ball bearing steel was studied in order to compare the effectiveness of this shKhl5 ball bearing steel was studied in order to compare the effectiveness of the vacuum and slag smelting techniques o	
	ShKh15 ball bearing steel was studied in order to compare the directiveness of the vacuum and slag smelting techniques. The technique with the effectiveness of the vacuum and slag smelting techniques. The technique with the effectiveness of the vacuum and slag smelting techniques.	
	plactron beam smelting was conducted in a second from 0.0040 to	
	As a result of this smelting treatment the oxygen/content dropped to 0.000048, SiO ₂ 0.00078, mitrogen from 0.007 to 0.00138, hydrogen from 0.0001 to 0.00018, and 0.00018, a	_
	from 0.0038 to 0.00045, A1203 110m of the contract of the cont	
	and CaO from 0.0005 to 0.0001. Electron beam smelted steel laptor and cyclic deformation, corrosion resistance, and fatigue limit (33% increase).	_
	14	
	Card 1/4	

CCESSION NR: AP5022	2405					/
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of cyclic deformation ourse. The corrosion Fig. 2 of the Enclose ASSOCIATION: Institu	resistance of ure. Orig. an objective of the control of the contro	F ShKh15 ster ct. has: 3 cki im. Ye. Fiziko-mekha	el in 53 figures O. Paton nichesk	H ₂ SO ₄ so	Lution is shown	i in
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Physico-Hechanical SUBMITTED: 24Mar65	A140 VA 1-4-1	EHCL:	02	•	SUB CODE: KI	1
Physico-Hechanical SUBMITTED: 24Mar65	4100	EHCL:	02	•	SUB CODE: KI	



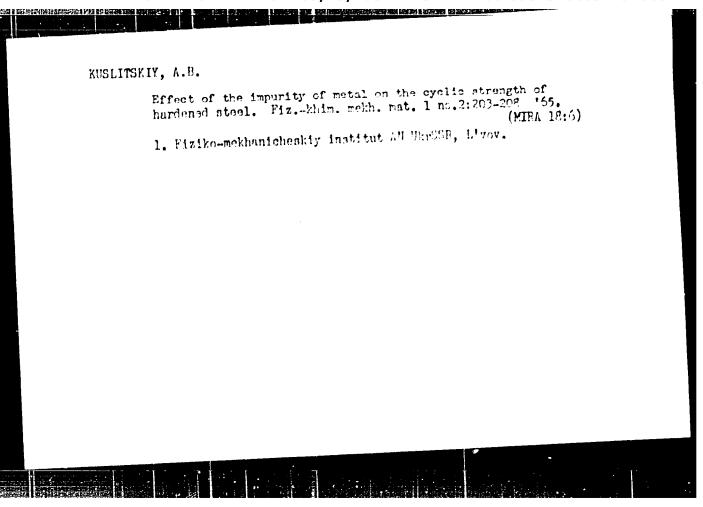
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MAN/JO/HB ENT (a) /EMP(w) /EPF(c) /EMA(d) /T/EMP(t) /EMP(z) /EMP(b) 8/0369/65/001/001/0027/0031 40506-65 ACCESSION NR: AP5009218 AUTHOR: Euslitskiy, A.B.; Mindyuk, A.K.; Rudenko, V.P.; Ryabov, B.F. TITLE: Conrosion resistance and conrosion-fatigue strength of hardened ShKh 15 steel SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 1, 1965, 27-31 TOPIC TAGS: steer corrosion, steel fatigue strength, hardened steel, corrosion resistance, electros ag melting, electroslag refining, vacuum melting/shkh 15 steel ABSTRACT: Comparative corrosion-resistance and corrosion-fatigue strength tests were made on samples of ball-bearing steel with different degrees of contamination by nonmetallic impurities and different densities. Six types of ShKh 15 steel (made by six different technological variants) were thus tested. A 3% Na(I solution was used as the corresive medium. The corresion resistance of electroslag and vacuum steels was found to be virtually the same and somewhat greater than that of the ordinary variety made in an open are furnace. The 3% NaCl corresive medium sharply decreased the cyclic strength of hardened steel. Steels subjected to electrosiag remelting were found to be somewhat better in this regard. Fatigue tests on the six types of steel showed that the more aggressive the corrosive medium or more severe the testing conditions (preliminary Card 1/2

0906-65 CESSION NR: AP5009278 Prosion of the samples), the solution one solution of the samples of the solution of the samples of the solution of the samples of the samples of the samples of the solution of the samples of the sample		sice in the propertie t. has: 3 ligures.	s of these	types:	1.8.	
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EPF(c)/APF(n)+2/EWP(a)/EWI(n)/EWP(b)/I/EWA(d)/EWP(w)/EWP(t) Pu-4 IJP(a) MJW/JD/JG/WB UR/0369/65/001/002/0214/0217 ACCESSION HRE APSOLZERS AUTHOR: Il'ina, G. V.; Kuslitskiy, A. B.; Starovoytov, Yu. A. TITLE: The effect which composite alloying with manganesel Tungsten and molybdenum has on corrosion fatigue strength and corrosion resistance of ShKh 15 steel SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 2, 1965, 214-217 TOPIC TAGS: corrosion resistance, steel corrosion, fatigue strength, alloy steel ABSTRACT: Previous tests show that reducing non-metallic inclusions does not affect the hardenability and heat resistance of ShKh 15 steel. This work considers the effects of composite alloying with molybdenum (0.4-0.6%), tungsten (1.0-1.2%) and manganese (0.9-1.2) on certain properties of ShKh steel. The alloy was designated ShKh 15VKG. The steel was produced by two-arc vacuum melting. Purity tests show that ShKh 15VHG malted by this method is only a little less pure than ShKh 15 steel. Optimum melting conditions are described. Tests showed that alloying with manganese, tungsten and molybdenum improves the maximum hardness of the steel and greatly increases creep resistance. Tables are given comparing the mechanical properties and toughness of the steels. Fatigue test results are given and compared Card 1/2

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KUDLITSKIY, A.B.; RYABOV, B.F.

Chamber for fatigue tests of rotating specimens in an atmosphere of vapors or heated air. Fiz.-khim. mekh. mat. 1 no.2:247(MIRA 18:6)

1. Fiziko-mekhanicheskiy institut AN UkrSSR, I vov.

(//)
L 12183-66 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b) MJW/JD
ACC NR: AP5028376 SOURCE CODE: UR/0369/65/001/005/0583/0587

AUTHOR: Kuslitskiy, A. B.; Kachmar, Z. F.; Yefimenko, Yu. M.; Chaban, D. V.

ORG: Physics-engineering Institut AN UkrSSR, L'vov (Fiziko-mekhanicheskiy institut AN UkrSSR); Electric Wealing Institute im. Ye. O. Paton, AN UkrSSR, Kiev (Institut elektrosvarki AN UkrSSR)

TITLE: The effect of nonmetallic inclusions on the strength of hardened ShKh15 steel during hydrogenation

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 5, 1965, 583-587

TOPIC TAGS: steel property, hydrogenation, metal strength, nonmetallic inclusion, martensite steel, ball bearing steel, SCLID MECKANICAL PROPERTY

ABSTRACT: The authors determined the effect of impurities in martensite (HRC = 61-63) ball bearing steel on its mechanical properties during hydrogenation. The hydrogenation process sharply reduces the strength of steel of all methods of preparation, depending on the impurity content in the steel. An increase in the quantity of nonmetallic inclusions decreases the strength of the steel. The existing methods of qualitative and quantitative analyses of the content of non-metallic inclusions (metallographic and electrolytic separation) do not provide Card 1/2

L 12183-66 ACC NR: AP5028376

sufficient reliability in the investigation of the higher grazes of steel made by vacuum, molten slag electric process, and the electron-beam remelting methods. The most unfavorable nonmetallic inclusions are brittle particles, such as minute titanium inclusions and silica particles, which are not detectable by metallographic analysis. The most effective method of removing the nonmetallic inclusions and gases from the steel is the electron-beam remelting process. Orig. art. has: 2 figures and 3 tables.

SUB CODE: 11 / SUBM DATE: 11Apr65 / ORIG REF: 009 / OTH REF: 004

Cord 2/2

L 14415-66 EWP(z)/EWT(m)/EWP(b)/T/EWA(d)/EWP(w)/EWI(t) MJW/JD/WB
ACC NR: AP6002126 (N) SOURCE CODE: UR/0369/65/001/006/0732/0733

AUTHOR: Tkachev, V. I.; Kripyakevich, R. I.; Kuslitskiy, A. B.; Kreymerman, G. I.

ORG: Physicomechanical Institute AN UkrSSR, L'vov (Fiziko-mekhanicheskiy institut AN UkrSSR)

TITLE: Effect of the purity of steel and corrosion medium on low-cycle fatigue

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 6, 1965, 732-733

TOPIC TAGS: steel, corrosion, durability, hydrogen embrittlement, sulfuric acid, sodium chloride, stress concentration

ABSTRACT: The effect of the content of nonmetallic inclusions on the low-cycle fatigue of annealed ShKhl5 steel produced by various processes was studied in air tion with cathodic polarization at current density $D_{\rm C} = 10~{\rm A/dm^2}$ corresponding to hydrogen absorption). Tests in air showed a marked divergence in the values of the durability of the purest and most contaminated steel. In the neutral medium, acid medium, the durability drops even more (by 25-30%). Under hydrogen absorpcard 1/2

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L 14415-66 ACC NR: AP6002126

and its dependence on the purity is slight; this is because the formation of brittle cracks tauses a decrease in durability. As the corrosiveness of the medium increases, the influence of steel purity of low-cycle fatigue levels off, ium increases additional stress concentrators which are more effective than the probably because additional stress concentrators which are more effective than the nonmetallic inclusions are formed. During hydrogen absorption, the inclusions act as sources of cracks. Orig. art. has: 2 figures.

SUB CODE: 11 / SURM DATE: 17Jun65 / ORIG REF: 003

Card 2/2-10

ACC NR. APE		SOURCE CODE: UR/0133/65/000/002/0151/0153
AUTHOR: <u>Ku</u> Mizetskiy	slitskiy, A. B.; Babey V. L.; Borisov, A. Ya.	7, Yu. I.; Karpenko, G. V.; Serebriyskiy, E. I.;
ORG: none		39
of electros	luence of nonmetallic lar and vacuum remelte al, no. 2, 1965, 151-	4
TODIC TACS.	nonmetallic inclusioning, density, steel mi	on, bearing steel, steel, electroslag melting, icrostructure, fatigue strength, annealing/ShKhl5
can only be electroslag is not the The authors and density methods: I	steel for manufacturi satisfied by special remelting (VAR and ES same for different met of this paper investi to fatigue strength of and II-ESR+VAR (steel	ing precision instrument bearings. These requirements technology, e. g., by means of vacuum-arc and SR). The degree of purity as to nonmetallic inclusions thods of remelting. The metal also differs in density igated the relationship of both nonmetallic inclusions of ShKhl5 steel which was processed by six different 1 ShKhl5P and ShKhl5S); III-ESR (steel ShKhl5Sh); pen arc furnace (ShKhl5); Vdouble VAR of a steel ls; and VIdouble VAR of ordinary billets. As to
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L 21923-66

ACC NR: AP6014622

Nonmetallic inclusions content was measured according to the scale of ChMTU 236-60. Density was measured by hydrostatic weighing of 20 samples from each of three melts (after quenching and low tempering). The samples were fatigue tested by the rotating-beam method using an NU machine at 50 cps. Samples for fatigue testing were turned from 18-20 mm annealed rods which were then heated to 840-850 C, oil quenched, and tempered at 150 C for 2 hours. The method used for evaluating contamination of the steels did not make it possible to establish a definite relationship between the content of individual forms of nonmetallic inclusions melted by the different methods and their fatigue limit, but, in general, the fatigue strength was lower for those steels which had a higher inclusion content. Of all the methods used it was found that electroslag remelting yields a denser microstructure and, consequently, a higher fatigue strength. Therefore, density of ballbearing steel should be considered as one of the most important factors of its quality and be rigidly controlled in the production of highly reliable bearings. Orig. art. has: 3 figures and 1 table.

[JPRS]

SUB CODE: 11, 13, 20 / SUBM DATE: none / ORIG REF: 010 / OTH REF: 006

Cord 2/2 nat

SOURCE CODE: UR/0369/66/002/003/0336/0339 1. 37941<u>-66</u> ACC NR: AP6023448 AUTHOR: Kuslitskiy, A. B.; Kreymerman, G. I.; Kokotaylo, I. V.; Starovoytov, Yu. A.; Karpenko, G. V.; Tkachev, V. I. ORG: Physicomechanical Institute, AN UkrSSR, L'vov(Fiziko-mekhanicheskiy institut AN UKESSRY TITLE: Effect of metallurgical factors on the low-cycle fatigue in various media SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 2, no. 3, 1966, 336-339 TOPIC TAGS: steel, low alloy steel, nickel containing steel, vacuum=doggs=si-steel, low cycle fatigue, ateel fatigue atrenath, steel fatigue life/12KhN3A steel ABSTRACT: Low-allow 12KhN3A structural steel, conventionally cast or vacuum degassed, was hot-rolled into 40 mm plates or 3 mm sheets, hardened, and tempered to a tensile strength of 100 dan/mm², and tested for fatigue strength in the air, in a 37 NaCl aqueous solution, and in the same solution with applied cathodic polarization, the latter to promote a hydrogen absorption. A constant-amplitude, symmetrical bending at a frequency of 0.8 cps was used in the tests. The test results showed that vacuum-degassed steel had a longer fatigue life in all the investigated media than the conventionally cast steel, especially in the tests in the NaCl solution with cathodic polarization. The embrittling effect of hydrogen and, correspondingly, the difference in the fatigue life increased with increasing amplitude. Longitudinal

ACC NR. AP6023448

specimens had a longer fatigue life than that of transverse specimens. With increasing amplitude, the difference in the fatigue life of longitudinal and transverse specimens increased substantially in tests in the air, and less so in tests verse specimens increased substantially in the NaCl with cathodic polarization. In NaCl solution, but noticeably decreased in the NaCl with cathodic polarization. Sheet specimens had a slightly higher fatigue life than that of plate specimens in Sheet specimens had a slightly higher fatigue life than that of plate specimens in Sheet specimens had a slightly higher fatigue life than that of plate specimens in Sheet specimens and in NaCl solution, but lower in NaCl with cathodic polarization. (PMS) art. has: 1 figure.

SUB CODE: 11/ SUBM DATE: 05Feb66/ ORIG REF: 002/ ATD PRESS: 5047

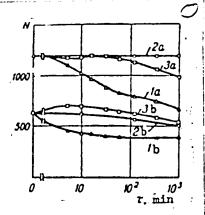
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EWT(m)/EWP(w)/T/EWP(t)/EII IJP(c) JD/WB SOURCE CODE: UR/0369/66/002/002/0192/0194 42319-66 AP6020916 44 AUTHORS: Tkachev, V. I.; Kripyakevich, R. I.; Kuslitskiy, A. B. ORG: Physico-Mechanical Institute, All UkrSSR, L'vov (Fiziko-mekhanicheskiy institut AN UkrSSR) 65 TITIE: Influence of preliminary hydrogenation and corrosion on the low-cycle fatigue of stool SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 2, no. 2, 1966, 192-194 TOPIC TAGS: steel, alloy steel, hydrogen embrittlement, metal aging / 08kp low carbon steel, ShKh15 carbon steel ADETRACT: The low-cycle (plastic) fatigue of annealed low-carbon steel OSkp and of high-carbon steel ShKhl5 was studied. The study extends the results of an earlier investigation by B. I. Tkachov and R. I. Kripyakovich (Fizikokhimicheskaya mekhanika materialov, 1965, No. 6). The experimental procedure followed is described by V. I. Tkachev and Yu. I. Babey (Fiziko-khimicheskaya mokhanika materialov, 1966, No. 2). The hydrogenation and corresion of 2.5 x 5 mm specimens was carried out in 3% NaCl at a current density of 3 amp/dm2. The experimental results are presented graphically (see Fig. 1). It was found that the deofease of plastic strength due to corrosion and hydrogenation bears a different character: corrosion leads to irreversible changes, whereas changes brought about Card 1/2

L 42319-66

ACC NRI AR6020916

Fig. 1. Influence of the period, Z, of preliminary corrosion and hydrogenation on the number of cycles N for complete destruction of steel specimens 68kp (a) and ShKhl5 (b) respectively. 1 - preliminary hydrogenation; 2 - same, but followed by two hours of aging at 1000; 3 - preliminary corrosion.



by hydrogenation may be reversed by hydrogen desorption. The rate and degree of strength recovery depend on the composition of the steel; carbon and alloying elements decrease the tendency towards recovery. It is suggested that plastic fatigue experiments constitute a more constitute method for determining hydrogen than the rupture experiments. Orig. art. has: 2 graphs.

SUB CODE: 11/ SUBM DATE: 19Jan66/ ORIG REF: 004

Card 2/2 -/1/

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EM/JP EVI (d)/EVI (m)/EVI (w)/EVI (t)/ETI Tar(c)SOURCE CODE: UR/0369/66/002/004/0464/0467 L 049h1-67 AP6029688 ACC NRI

AUTHOR: Tkachev, V. I.; Kripyakevich, R. I.; Kuslitskiy, A. B.; Kreymerman, G. I.

RG: Physics-Engineering Institute, AN UkrSSR, L'vov (Fiziko-mekhanicheskiy institut AN UKTSSR)

TITLE: Effect of stress concentration on low-cycle fatigue in media

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 2, no. 4, 1966, 464-467

TOPIC TAGS: stress concentration, material deformation, corrosive strength, hydrogenation, cyclic strength, fatigue strength

ABSTRACT: The effect of the amplitude of total deformation, e, and of stress frequency, v, on the low-cycle fatigue of specimens was studied with concentrators of stress, represented by 1 mm holes in the flat samples. The latter were tested in air and in corrosive and in hydrogenating environments. Concentration of stress resulted in a marked decrease of service life under low-cycle fatigue as compared with conditions of uniform stress distribution. The value N(ε), N being the number of cycles, showed the same basic dependence upon conditions as under uniform stress. The value of critical deformation decreased at a concentration of

Card 1/2

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	ndence of the effective co ess frequency was determ id concentrated stress, r	ninga av tae ratio or s	ncentration on deformation he environment factors for rt. has: 3 figures.	r
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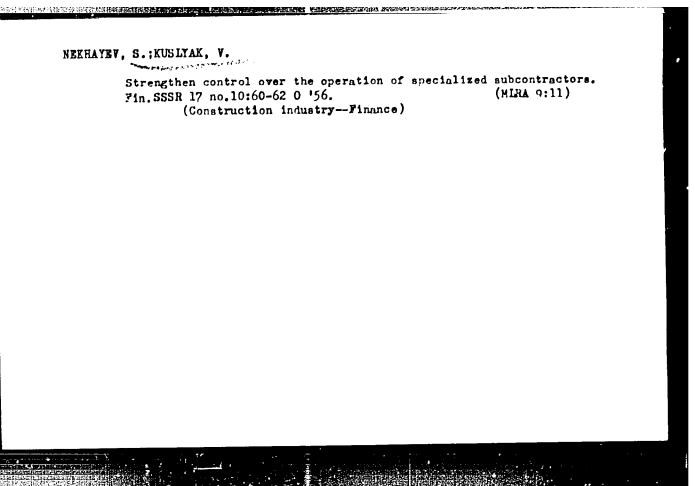
CIA-RDP86-00513R000927910002-1

USSR/Chemistry - Friedel-Crafts Reaction Sep 48
Chemistry - Ketones, Synthesis

"Synthesis of Aliphatic-Arcmatic Ketones by
Friedel-Crafts Reaction," M. S. Malinovskiy, F. F.
Kuslova, Stud, Lab Org Chem, Gor'kly State U, 2pp

"Zhur Obshch Khimii" Vol XVIII, No 9

Using acids instead of their anhydrides or acyl
chlorides in reactions with toluene, 27-366
yields of p-tolyl alkyl ketones were obtained in
presence of aluminum chloride. Acids included
acetic, butyrio, isobutyrio, and isovaleric.
Bulmitted 9 May 47.



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KUSLYAKOV, B.A.

KUSLYAKOV, B.A.

Modification of conditioned vestibulo-motor reflexes following labyrinthectomy in dogs. Fisiol.zhur. 43 no.3:271-278 Mr '57.

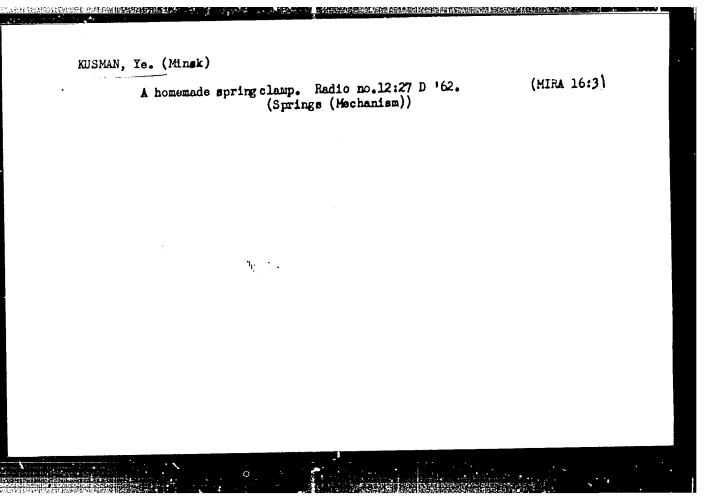
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1. Leborstoriye interotseptivnykh uslovnykh refleksov Institute fiziologii im. I.P.Pavlova AN SSER, Leningrad

(LABYRIFFH, effect of excision, on vestibulo-motor conditioned reflexes in dogs (Rus))

(REFLEX, COMDITIONED, vestibulo-motor, eff. of labyrinthectomy (Rus))

(VESTIBULAR APPARATUS, physiology, vestibulo-motor conditioned reflexes in labyrinthectomized animals (Rus))
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L 23614-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1)

ACC NR. AP6009554

SOURCE CODE: UR/0413/66/000/005/0109/0110

AUTHOR: Raykhman, Ya. A.; Kusman, Ye. A.; Kuz'michev, G. P.

ORG: none

1/

TITLE: A micromanipulator. Class 49, No. 179586

13

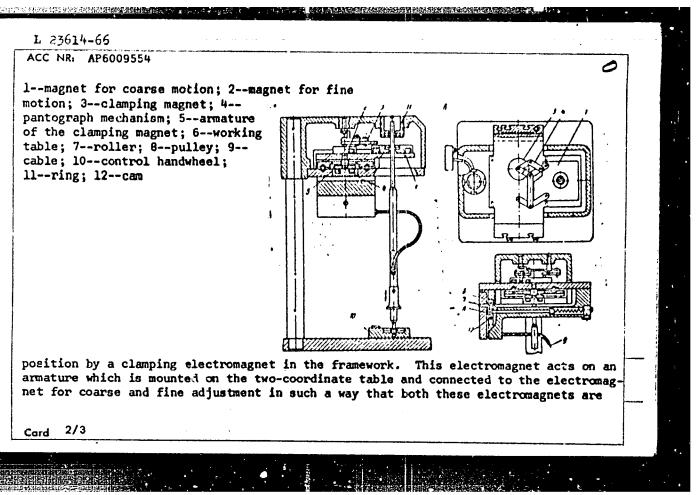
SOURCE: Izobreteniýa, promyshlennyye obraztsy, tovarnyye znaki, no. 5, 1966, 109-110

TOPIC TAGS: micromanipulator, microdissection, microinjection, electromagnet

ABSTRACT: This Author's Certificate introduces: 1. A micromanipulator for moving a tool in three dimensions by a control lever hinged to the framework with a drive connected to a two-coordinate table which supports the tool and a handwheel which moves in the horizontal plane on a plate in the framework. The device is designed for fast preliminary motion and exact adjustment of the tool by making the drive from the control lever to the two-coordinate table in the form of a system of two separately connected electromagnets: one for coarse and one for fine motion. The first electromagnet is connected through a hinge to the control lever and the second is connected to a pantograph. One of the hinges on the pantograph is connected to the electromagnet for coarse adjustment and the other is connected to the framework. 2. A modification of this micromanipulator in which the two-coordinate table may be fixed in a definite

UDC: 621.86.076

Card 1/3



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ACC NR: AP6009554		0
disconnected when the armature is connector in which the tool is moved in the verform of a working stage. This stage is cam in the framework with a pulley which wheel. 4. A modification of this micromathe two-coordinate table is preset by chathreaded ring with a ball support for the	rtical plane by a spec supported by a roller is connected by a cab anipulator in which th anging the lever arms.	on a specially shaped ole to the control hand- be scale of motion for
SUB CODE: 13/ SUBM DATE: 19Aug63/	ORIG REF: 000/	OTH REF: OOO
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Card 3/3 FV		

KUSMARTSEV, V. S.

Kusmartsev, V. S. "It is time to produce high-quality textbooks on general technical disciplines", Vestnik vyssh. shkoly, 1949, No. 5, p. 14-17.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

AUTHOR: Kusmartsev, V. S., Dotsent

3-5-10/38

TITLE:

Questions of Instruction Relating to the Course "Machine Parts"

(Voprosy prepodavaniya kursa "Detali mashir")

PERIODICAL:

Vestnik vysshey shkoly, Nr 5, 1957, p 32-33 (USSR)

ABSTRACT:

The existing textbooks and school aids for the Machine Parts course were prepared for machine building vuzes and tekhnikums, and, therefore, do not meet the program requirements of other vuzes and tekhnikums

giving the above mentioned course. For this reason Professor

N. A. Spitsyn's recommendation to prepare special textbooks designed to fulfill the program requirements of separate schools is justified.

ASSOCIATION: The Stalingrad Engineering Institute of Urban Economy (Stalingradskiy

institut inzhenerov gorodskogo khozyaystva)

AVAILABLE:

Library of Congress

Card 1/1

PHASE I BOOK EXPLOITATION

SOV/5306

Kusmartsev, Vasiliy Sergeyevich

- Avtomatika proizvodstvennykh protsessov (Automation of Industrial Processes) [Rostov-na-Donu] Rostovskoye knizhnoye izd-vo, 1960. 95 p. 2,000 copies printed.
- Reviewers: V. A. Obraztsov and A. F. Rakov; Ed.: I. V. Zherebkov; Tech. Ed.: Ye. A. Abramova.
- PURPOSE: This booklet is intended for personnel working in branches of industry which use automatic devices. It may also be useful tekhnikums.
- COVERAGE: The booklet deals briefly with the theory and design of hydraulic, pneumatic, electric, and combined automatic regulators and their components. The various fields of application of automatic devices are also considered. No personalities are mentioned. There are 9 references, all Soviet.

Card 1/4-

KUSMARTSEVA, L.V.

Surgical setting of an old dislocation of the basilar phalanx of the second finger of the right hand. Zdravookhranenie 4 no. 1:53-55 Ja-F '61. (MIRA 14:2)

Participation of the second of

1. Iz kafedry obshchey khirurgii (zav. - prof. N.L. Gladyrevskiy) Kishinevskogo meditsinskogo instituta. (FINGERS-DISLOCATION)

KUSMIRTSEVA, L. V.

"Ischemic Disorders in Intra-arterial Blood Transfusion"
report submitted at the Society of Surgeons of the moldavian SSSR, 1960
So: Zdravookhraneniye, Kishinev, No. 2, March-April 1961, pages 61-64

VELIKORETSKIY, D.A.; LORIYE, K.M.; FINKEL', I.I.; GRIGORCHUK, Yu.F.;

BERGER, L.Kh.; "UTROBINA, V.V.; KHARCHENKO, V.P.; MESHCHERYKOV, A.V.,

student V kursa; OBERENCHENKO, Ya.V., kand.med.nauk; NIKIIIN, A.V.;

MUKHOYEDOVA, S.N.; KUSHARTSEVA, L.V., assistent; KUZHETSOV, V.A.,

dotsent; KUKHTINOVA, R.A., assistent; BOHDARENKO, Ya.D. (g. Fastov);

KUHTASOVA, L.V. (g. Fastov); PEVCHIKH, V.V.; CHURAKOVA, A.Ye.;

BABICH, M.M.; KUZ'MIN, K.P.; PAVLOV, S.S.; SHEVLYAKOV, L.V., kand.

med.nauk; IGHAT'YEVA, O.M.; ZEYGERMAKHER, G.A.; GUTKIN, A.A.;

POLYKOVSKIY, T.S.

Resumes. Sov.med. 25 no.11:147-152 N '61.

(MIRA 15:5)

1. Iz Instituta grudnoy khirurgii AMI SSSR (for Velikoretskiy, Loriye, Finkel'). 2. Iz bol'nitsy No.3 Gorlovki Stalinskoy oblasti (for Grigorchuk). 3. Iz Tyumenskoy oblastnoy bol'nitsy (for Berger, Utrobina). A. Iz Karatasskoy rayonnoy bol'nitsy Yuzhno-Kazakhstanskoy oblasti (for Kharchenko). 5. Iz Gospital'noy khirurgicheskoy kliniki I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova (for Meshcheryakov). 6. Iz kliniki propodevticheskoy terapii Stalinskogo meditsinskogo instituta na baze oblastnoy klinicheskoy bol'nitsy imeni Kalinina (for Oberemchenko). 7. Iz kliniki gospital'noy terapii Voronezhskogo meditsinskogo instituta (for Sikitin, Mukhoyedova).
8. Iz kafedry obshchey khirurgii kishinyeskogo meditsinskogo instituta (for Kusmartseva).

BUDAGIAN, I.A., inzh.; KUSMAUL', K.V., inzh.

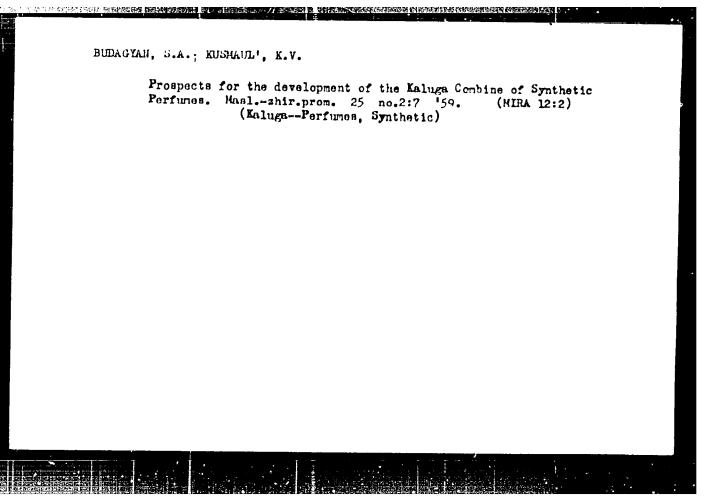
Kaluga Synthetic Perfure Combine, Masl.-zhir. prom. 23 no.12:11-13

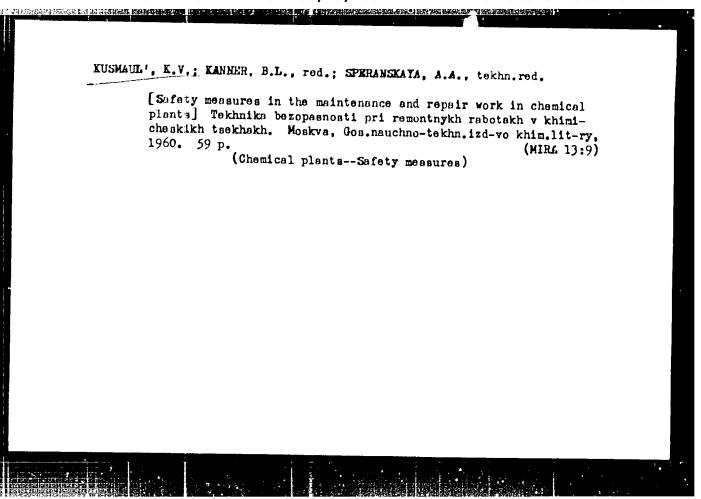
'57.

(Kaluga--Perfumes, Synthetic)

KUSMAUL!, Konstantin Vasil! yevich; MOISEYKNKO, A., red.; GALITSKIY, B., tekhn.red.

[Synthetic Odorous Substances Combine is an enterprise of collective efficiency promotion] Kombinat SDV - predpriiatie kollektivnoi ratsionalizatsii. Kaluga, Kaluzhskoe knizhnoe izd-vo, 1958. 62 p. (HIRA 12:9) (Odorous substances)





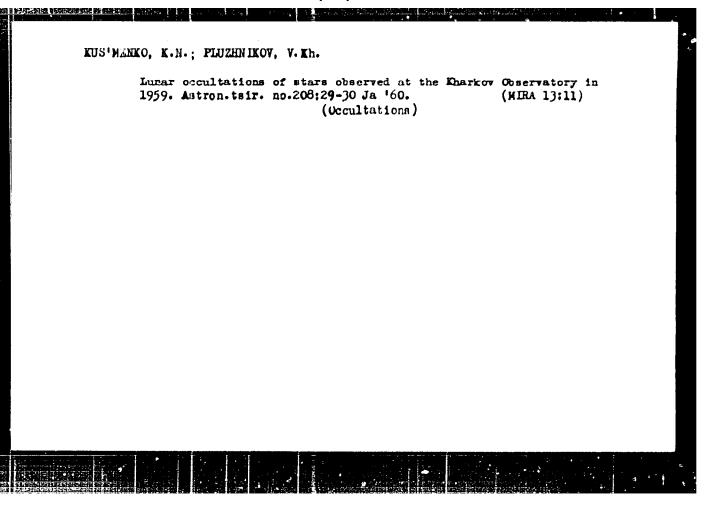
KUSMAUL', K.V., inzh.; SOSNOVSKIY, N.Kh.

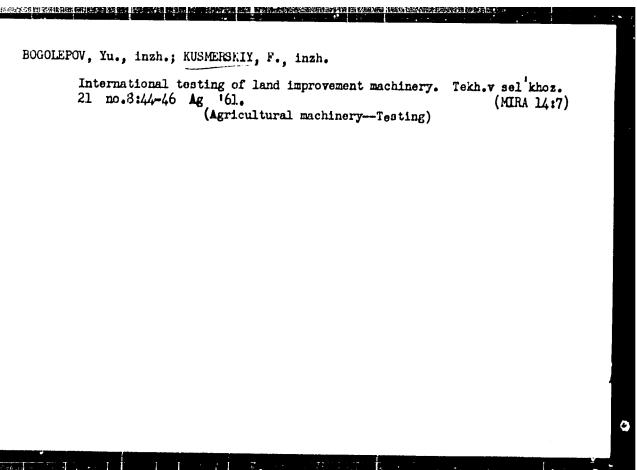
Barrel tilter. Masl.-zhir.prom. 28 no.4:42-43 Ap '62.

(MIRA 15:5)

1. Kaluzhskiy kombinat sinteticheskikh dushistykh veshchestv.

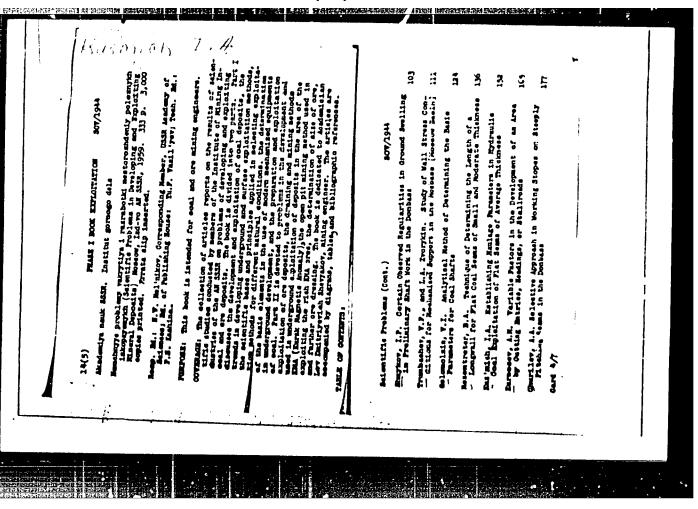
(Material handling--Equipment and supplies)





"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927910002-1



AM KUZ MICHEV K.V.

10(2)

PHASE I BOOK EXPLOITATION SOV/1308

Kirillov, Ivan Ivanovich, Rakhmiyel Mordukhovich Yablonik, Lev Vasil yevich Kartsev, Ivan Grigor yevich Gogolev, Ryurik Vladimirovich Kuz michev, Gennadiy Ivanovich Khutskiy, Rostislav Ivanovich D'yakonov, Viktor Dmitriyevich Pshenichnyy, and Aleksandr Aleksandrovich Tereshkov

Aerodinamika protochnoy chasti parovykh i gazovykh turbin (Aerodynamics of Steam and Gas Turbine Flow-Passage Areas) Moscow, Mashgiz, 1958. 246 p. 4,500 copies printed.

Ed.: Kirillov, I.I., Professor, Bryansk Institut of Transport Machine Building; Reviewer: Shubenko, L.A., Corresponding Member, USSR Academy of Sciences; Tech. Ed.: Gerasimova, D.S.; Managing Ed. for Literature on General Technical and Transport Machine Building (Mashgiz): Ponomareva, K.A., Engineer.

PURPOSE: This book was writted for engineers working on the design, Card 1/6

Aerodynamics of Steam and Gas Turbine Flow-Passage Areas SOV/1308 manufacture and operation of steam and gas turbines. It may also be useful to students of special courses.

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COVERAGE: The authors analyze physical phenomena connected with flow through the stages of impulse steam and gas turbines. They give the results of experimental investigation of stages with full and partial supply of the working medium. The basic results obtained are for high - and medium-powered turbines.

Results of the investigation of a new low-powered turbine are also given. Practical recommendations for the design of the flow passage area of steam and gas turbines are given, based on the investigation of effect of various design measures on the efficiency coefficient of stages. The investigation was made in the BITM (Bryansk Institute of Transport Machinery Building). The following sections were written by members of the Chair of Turbine Construction of the BITM: Professor I.I. Kirillov, Docent, Candidate of Technical Sciences, paragraphs 1, 2, 13, 16; Docent

Card 2/6

Acredynamics of Steam and Gas Turbine Flow-Passage Areas 30V/1304

R.M. Yablonik, Candidate of Technical Sciences, paragraph 9; I.I. Kirillov and R.M. Yablonik, paragraphs 3,4,5; L.V. Kartsev, Good date of Technical Sciences, paragraphs 6,7,19; L.V. Gogclev, Candidate of Technical Sciences, paragraphs 10, 11; R.V. Kuz michev, Candidate of Technical Sciences, paragraph 8; G.I. Khutskiy, dandidate of Technical Science, paragraph 8; G.I. Khutskiy, paragraph 17; V.D. Pshenichnyy, Engineer of the Kirov Plant, paragraph 18; A.A. Tereshkov, Engineer of BITM, The bibliography of experimental work of Eurobines for BITM. The bibliography addate of 23 references. A of which are Soviet, and 1 is German.

PABLE OF CONTENTS:

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